Comparisons of Job Characteristics

Focus Occupation: Operations Research Analysts (15-2031)
Associated Occupation: Statistical Assistants (43-9111)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge	**Similarity of Focus Occupation to Associated Occupation: 79**

Focus Occupation: Operations Research Analysts (15-2031)
Associated Occupation: Statistical Assistants (43-9111)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematics	9.2	17.6	24.4	**>>**	Current knowledge level is likely more than sufficient
Computers and Electronics	8.4	15.2	15.0	**0**	Current knowledge level may be sufficient
Clerical	7.3	12.7	4.9	**<<**	Extensive education and/or training may be required
Customer and Personal Service	11.3	11.1	4.6	**<<**	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills	**Similarity of Focus Occupation to Associated Occupation: 76**

Focus Occupation: Operations Research Analysts (15-2031)
Associated Occupation: Statistical Assistants (43-9111)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematics	6.2	17.3	16.9	**0**	Current skill level may be sufficient
Programming	2.2	11.2	5.8	**<<**	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	**Similarity of Focus Occupation to Associated Occupation: 92**

Focus Occupation: Operations Research Analysts (15-2031)
Associated Occupation: Statistical Assistants (43-9111)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mathematical Reasoning	6.3	17.8	17.3	0	Current ability level may be sufficient
Number Facility	6.3	16.2	15.1	0	Current ability level may be sufficient
Near Vision	11.1	13.2	11.8	<	Some improvement in abilities may be required
Category Flexibility	9.0	11.5	11.5	0	Current ability level may be sufficient
Information Ordering	9.9	11.5	11.6	0	Current ability level may be sufficient
Selective Attention	8.7	10.1	8.8	<	Some improvement in abilities may be required
Memorization	5.6	7.4	6.4	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 78

Focus Occupation: Operations Research Analysts (15-2031)
Associated Occupation: Statistical Assistants (43-9111)

Work Activities	Exclusivity of Activity
Assist with business or managerial research	82
Collect scientific or technical data	30
Collect statistical data	47
Compile numerical or statistical data	38
Create mathematical or statistical diagrams or charts	43
Prepare reports	8
Use computers to enter, access or retrieve data	3
Use library or online Internet research techniques	21
Use relational database software	26
Use spreadsheet software	18
Use word processing or desktop publishing software	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Operations Research Analysts (15-2031)
Associated Occupation: Statistical Assistants (43-9111)

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Data management and query software	1
Development software	4
Finance accounting and enterprise resource planning ERP software	2
Industry specific software	1
Information exchange software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.